

Title (en)
SYSTEM FOR THE MASS RECOVERY OF SLICKS OF SPILT PETROLEUM PRODUCTS FLOATING ON THE SEA FOLLOWING SHIPPING INCIDENTS

Title (de)
SYSTEM ZUM AUFNEHMEN VON INFOLGE VON SEEFAHRTUNFÄLLEN AUSFLIESENDE, EINE AUF DEM MEER SCHWIMMENDE SCHICHT BILDENDES ÖLPRODUKT

Title (fr)
SYSTEME DE RECUPERATION EN MASSE DE PRODUITS PETROLIERS S'ECHAPPANT EN NAPPE FLOTTANT SUR LA MER A LA SUITE D'INCIDENTS DE NAVIGATION

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Application
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Priority
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Abstract (en)
[origin: WO02081299A1] The invention relates to a system for the mass recovery of petroleum products which is installed on a boat (1) that is specially designed to approach the oil slick to be recovered at 20 knots, said slick having been enclosed by a containment barrier comprising a skirt that prevents the petroleum from escaping underneath. The recovery system comprises a static ramp (10, 11) that extends into the sea to a sufficient depth in order to take account of very strong swells, the upper end (12) of said ramp being solidly connected to a dynamic decantation tank (2, 3) which is closed on top by means of a wall (4, 5). The boat loads the petroleum and water by means of the ramp (10, 11) into the tank thereof (2, 3) serving as a static water/petroleum separator, in which the oil slick (13), which has a lower density than water (14), floats on the water, thickening on top of the surface (15). The upper level (16) of the slick is always maintained below that (17) of the level of the sea by means of a centrifugal pump assembly (18) having an adequate capacity. Said pump assembly expels the water (14) into the sea so that petroleum and water can continue to be loaded. When the lower level of the slick (13) falls below the transfer pumps (19), benefiting from the gravitational pressure of the slick, said transfer pumps start up and push the slick, via a separation wall (6, 7), into a storage tank (8) for decanted oil, while the boat advances into the slick at a maximum speed of approximately six knots.

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